

ABSTRACT OF THE DISCLOSURE

[0108] An implantable stimulator(s) with at least one infusion outlet and/or at least one electrode, is implanted with the outlet(s) and/or electrode(s) located adjacent to a pudendal nerve(s) and potentially other nerve(s) innervating the reproductive organs, such as the cavernous nerve(s). Stimulation of such nerve(s) is provided via stimulating drugs and/or electrical stimulation as a therapy for erectile dysfunction. The stimulator uses a power source/storage device, such as a rechargeable battery. Periodic recharging of such a battery is accomplished, for example, by inductive coupling with an external appliance. The stimulator provides means of stimulating a nerve(s) when desired, without the need for external appliances during the stimulation session. When necessary, external appliances are used for the transmission of data to and/or from the stimulator(s) and for the transmission of power. The system is capable of open- and closed-loop operation. In closed-loop operation, at least one implant includes a sensor, and the sensed condition is used to adjust stimulation parameters.